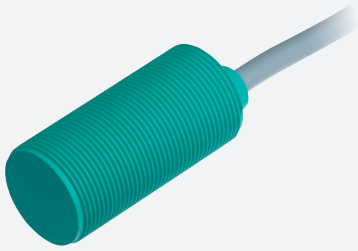


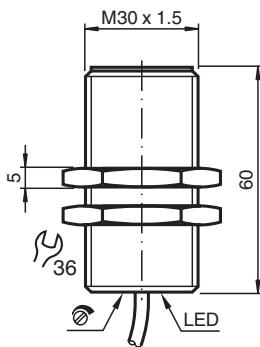
Capacitive sensor CBB10-30GK60-E0



- 10 mm flush
- Operating distance adjustable via potentiometer
- High EMC resistance



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type		NPN
Rated operating distance	s_n	10 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 8.1 mm
Output type	3-wire	

Nominal ratings

Installation conditions		
A		0 mm
B		0 mm
C		20 mm
F		40 mm
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 10 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.8 V
Operating current	I_L	0 ... 200 mA

Release date: 2024-05-28 Date of issue: 2024-06-02 Filename: 237548_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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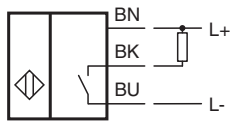
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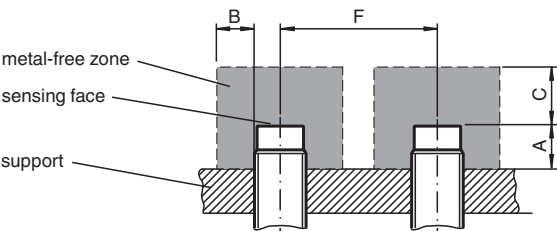
Technical Data

Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μ A at 25 °C
Off-state current $T_U=40$ °C, switching element off		≤ 100 μ A
No-load supply current	I_0	≤ 20 mA
Time delay before availability	t_v	≤ 50 ms
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		700 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Potentiometer		sensitivity adjustment
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		cable PVC , 2 m
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67
Cable		
Cable diameter		6.4 mm $\pm$ 0.2 mm
Bending radius		> 10 x cable diameter
Dimensions		
Length		60 mm
Diameter		30 mm

Connection



Installation



Refer to "General Notes Relating to Pepperl+Fuchs Product Information".